ELSEVIER

Journal of Organometallic Chemistry 630 (2001) 283

Journal of Organometallic Chemistry

www.elsevier.com/locate/jorganchem

Author Index of Volume 630

Albrecht, M., 281
Alimardanov, A.R., 23
Anson, C.E., 88
Ansorge, M., 198
Ayazi, A., 263

Becker, R., 253
Böhme, U., 139
Brauer, D.J., 177
Brendler, E., 139
Brunner, H., 169
Budnikova, Y.H., 185
Bunz, U.H.F., 132

Calderazzo, F., 275
Cao, Y., 84
Carpenter, G.B., 84
Castro, A., 33
Chetcuti, M.J., 215
Ciunik, Z., 205
Collins, G., 132

Dahlenburg, L., 221
Dokorou, V., 205
Donaldson, W.A., 5
Dunlap, M.S., 125

Englert, U., 275

Faller, J.W., 17
Fanwick, P.E., 215
Fischer, A.K., 149
Fischer, R.A., 253
Fomine, S., 157
Fontani, M., 149
Foxman, B.M., 1
Fuchs, B., 67
Fujiwara, Y., 11

Gallucci, J.C., 44
Giardi, C., 275
Goldberg, I., 67
Grant, B.E., 215

Herberhold, M., 263
Herzog, U., 139
Hollman, A., 169
Hossain, M.A., 5
Hossain, M.M., 78
Hudson, R.D.A., 1, 88

Jacob, K., 149
Jia, C., 11
Jin, M.-J., 5

Kargin, Y.M., 185
Kayan, A., 44
Kehrer, U., 266
Kerber, W.D., 23
Kerr, W.J., 104, 118
Khanfar, M., 244
Kitamura, T., 11
Kocks, B.M., 281
Kottsieper, K.W., 177
Kovala-Demertzi, D., 205

Lam, K.-C., 193
Laskoski, M., 132
Lavoie, A., 17
Liek, C., 177
Li, H., 84
Li, H.-j., 33
Lindner, E., 244, 266
Lin, Y.-L., 57

Mahon, M.F., 88
Maisel, H.E., 263
Mayer, M.F., 78
McLaughlin, M., 104, 118
Mertel, S., 221
Merz, K., 253
Merzweiler, K., 149
Müller, T.J.J., 198

Nicholas, K.M., 125

Pampaloni, G., 275
Pauson, P.L., 104, 118
Pearson, A.J., 23
Perichon, J., 185
Polborn, K., 198
Protasiewicz, J.D., 193

Rheingold, A.L., 193
Rheinwald, G., 139
Richard Stephenson, G., 88
Robertson, S.M., 104
Robinson, B.H., 84
Russo, U., 205

Seidel, N., 149
Sinyashin, O.G., 185
Spek, A.L., 281
Star, A., 67
Steffen, W., 132
Steimann, M., 266
Stelzer, O., 177
Ströbele, M., 266
Sweigart, D.A., 84

Tlenkopatchev, M., 157
Turnbull, M.M., 33
Turos, E., 57

Urnezius, E., 193

van Koten, G., 281

Waffenschmidt, H., 177
Wagner, C., 149
Wang, Q., 78
Wasserscheid, P., 177
Weiß, J., 253
Winter, M., 253
Wojcicki, A., 44
Woo, K., 84
Wrackmeyer, B., 263

Yakhvarov, D.G., 185
Yamaji, T., 11
Yin, G., 11
Yu, K., 84

Zabel, M., 169
Zanello, P., 149

PII: S0022-328X(01)01090-7

ELSEVIER

Journal of Organometallic Chemistry 630 (2001) 285–289

Journal of Organometallic Chemistry

www.elsevier.com/locate/jorganchem

Subject Index of Volume 630

Acetals
Triformylferrocenes, novel modules for organometallic scaffolds, 132
Addition
Synthesis and structure of the chromiumcarbonyl complexed phenyl allene, 198
Aldehydes
Triformylferrocenes, novel modules for organometallic scaffolds, 132
Alkynes
Triformylferrocenes, novel modules for organometallic scaffolds, 132
Allenes
Synthesis and structure of the chromiumcarbonyl complexed phenyl allene, 198
η^1-Allenyl
Reactions of $Rh(SbPh_3)_3(CO)X$ (X = Cl, Br) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes, 44
Allyl complexes
Isolation of a diketone species that is allylically bound to tungsten, and its relationship to a tungsten η^2-ketone complex, 215
Allylsilanes
Rhodium-catalyzed cyclopropanations of allylsilanes and allylstannanes: the role of the silyl/stannyl group in *trans–cis* stereoselection, 57
Allylstannanes
Rhodium-catalyzed cyclopropanations of allylsilanes and allylstannanes: the role of the silyl/stannyl group in *trans–cis* stereoselection, 57
Arene complexes
Synthesis and structure of the chromiumcarbonyl complexed phenyl allene, 198
Asymmetric catalysis
Highly enantioselective Diels–Alder catalysis with a chiral ruthenium bisoxazoline complex, 17
Aziridines
An explanation for the apparent *cis*-aziridine selectivity in the iron Lewis acid-catalyzed reaction of *N*-benzylidene aniline and ethyl diazoacetate, 78

bicyclo[3.3.0]octane skeleton
Group 14 chalcogenides featuring a bicyclo[3.3.0]octane skeleton, 139

Carbon–carbon coupling
Isolation of a diketone species that is allylically bound to tungsten, and its relationship to a tungsten η^2-ketone complex, 215
Carbonyl iron complexes
Reactivity of acyclic (pentadienyl)iron(1 +) cations with weak carbon nucleophiles, 5
Catalysis
Chiral chelate phosphanes: XI. Application of cyclopentane-based C_2 chiral bis(phosphane) ligands $C_5H_8(PR_2)_2$ to Pt–Sn-catalyzed styrene hydroformylation, 221
Chemical shift parameters
Chemical shift effects in the ^{13}C-NMR spectra of $[(C_5H_5)(CO)_2Fe^{II}]$-substituted cyclohexanes, dioxanes and tetrahydropyrans, 33
Chiral
Regio- and stereoselectivity in long-range asymmetric induction controlled by carbonyliron groups: crystal structures of dicarbonyl-L-[(1,2,3,4,5-η)-1-R-4-methoxycyclohexadienyl]-iron(1 +) hexafluorophosphate(1 −) [(R = isopropenyl, L = CO), (R = 1-styryl, L = CO), (R = 1-prop-1-enyl, L = PPh_3)] and tricarbonyl[methyl(2,3,4,5-η)-2-carbomethoxy-2-(4-methoxy-1-(1′-methylethenyl)cyclohexadien-1-yl)-ethanoate]iron(0), 88
Chirality
Chiral chelate phosphanes: XI. Application of cyclopentane-based C_2 chiral bis(phosphane) ligands $C_5H_8(PR_2)_2$ to Pt–Sn-catalyzed styrene hydroformylation, 221
Chromium
Synthesis and structure of the chromiumcarbonyl complexed phenyl allene, 198
Clusters
Monomeric, dimeric and polymeric $[Cp_2MoH_2]$ complexes with Ag–S bonds, 169
Combinatorial virtual libraries
Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis, 67
Complexes
Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis, 67
Synthesis, characterization and reactivity of tetracyclopentadienylniobium(IV), a precursor to organometallic derivatives of niobium(IV), 275
copper
New heterometallic copper zinc alkoxides: synthesis, structure properties and pyrolysis to Cu/ZnO composites, 253
Cross-coupling
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185
Crystal structures
Monomeric, dimeric and polymeric $[Cp_2MoH_2]$ complexes with Ag–S bonds, 169
Synthesis, crystal structures and spectroscopic studies of diorganotin derivatives with mefenamic acid. Crystal and molecular structures of 1,2:3,4-di-μ_2-2-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-methyltin(IV)] and 1,2:3,4-di-μ_2-2-[(-[(-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-*n*-butyltin(IV)], 205

PII: S0022-328X(01)01091-9

Triphosphane formation from the terminal zirconium phosphinidene complex [Cp_2Zr=PDmp(PMe_3)] (Dmp = 2,6-$Mes_2C_6H_3$) and crystal structure of DmpP(PPh_2)$_2$, 193
Cycloaddition
Reactions of $Rh(SbPh_3)_3(CO)X$ (X = Cl, Br) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes, 44
Cyclohexadienyliron
Regio- and stereoselectivity in long-range asymmetric induction controlled by carbonyliron groups: crystal structures of dicarbonyl-L-[(1,2,3,4,5-η)-1-R-4-methoxycyclohexadienyl]-iron(1+) hexafluorophosphate(1−) [(R = isopropenyl, L = CO), (R = 1-styryl, L = CO), (R = 1-prop-1-enyl, L = PPh_3)] and tricarbonyl[methyl(2,3,4,5-η)-2-carbomethoxy-2-(4-methoxy-1-(1′-methylethenyl)cyclohexadien-1-yl)-ethanoate]iron(0), 88
Cyclohexanes
Chemical shift effects in the ^{13}C-NMR spectra of [(C_5H_5)-$(CO)_2Fe^{II}$]-substituted cyclohexanes, dioxanes and tetrahydropyrans, 33
Cyclopentadienyl
Synthesis, characterization and reactivity of tetracyclopentadienylniobium(IV), a precursor to organometallic derivatives of niobium(IV), 275
Cyclopropanation
Rhodium-catalyzed cyclopropanations of allylsilanes and allylstannanes: the role of the silyl/stannyl group in *trans–cis* stereoselection, 57

density functional theory calculations
Group 14 chalcogenides featuring a bicyclo[3.3.0]octane skeleton, 139
DFT calculations
Molecular modeling of the olefin metathesis by tungsten(0) carbene complexes, 157
Diastereomeric ratio
[2-(*N*,*N*-Dimethylaminomethyl)ferrocenyl] as a ligand towards mercury, 149
Diels–Alder reaction
Highly enantioselective Diels–Alder catalysis with a chiral ruthenium bisoxazoline complex, 17
Diene–iron tricarbonyl complexes
Cationic cyclizations of (diene)iron tricarbonyl complexes with pendant alkenes and arenes, 23
Dienyl
Reactivity of acyclic (pentadienyl)iron(1+) cations with weak carbon nucleophiles, 5
Diorganotin
Synthesis, crystal structures and spectroscopic studies of diorganotin derivatives with mefenamic acid. Crystal and molecular structures of 1,2:3,4-di-μ_2-2-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-methyltin(IV)] and 1,2:3,4-di-μ_2-2-[(-[(-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-*n*-butyltin(IV)], 205
Dioxadiazadecalins
Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis, 67
Dioxanes
Chemical shift effects in the ^{13}C-NMR spectra of [(C_5H_5)-$(CO)_2Fe^{II}$]-substituted cyclohexanes, dioxanes and tetrahydropyrans, 33
Diphenyl carbonate
A new efficient Pd-catalyzed synthesis of diphenyl carbonate with heteropolyacid as a cocatalyst, 11

Electrochemistry
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185
Electrophile addition
Triphosphane formation from the terminal zirconium phosphinidene complex [Cp_2Zr=PDmp(PMe_3)] (Dmp = 2,6-$Mes_2C_6H_3$) and crystal structure of DmpP(PPh_2)$_2$, 193
Enantioselective catalysis
Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis, 67
Ethyl diazoacetate
An explanation for the apparent *cis*-aziridine selectivity in the iron Lewis acid-catalyzed reaction of *N*-benzylidene aniline and ethyl diazoacetate, 78
Ethylene equivalent
Behaviour of monocomplexed 1,4-diynes in the Khand reaction and use of ethylene equivalent techniques in a convenient route to tritium-labelled methyl jasmonate, 118
The utility of vinyl ethers and vinyl esters in the Khand reaction. The value of vinyl esters as ethylene equivalents and a modified synthesis of (+)-taylorione as an example, 104

^{57}Fe-NMR
^{57}Fe-NMR spectroscopy revisited: ferrocene derivatives containing heterosubstituents, 263
Ferrocene
Triformylferrocenes, novel modules for organometallic scaffolds, 132
Ferrocenes
^{57}Fe-NMR spectroscopy revisited: ferrocene derivatives containing heterosubstituents, 263

Group 14 chalcogenides
Group 14 chalcogenides featuring a bicyclo[3.3.0]octane skeleton, 139

heterometallic alkoxides
New heterometallic copper zinc alkoxides: synthesis, structure properties and pyrolysis to Cu/ZnO composites, 253
Heteropolyacid
A new efficient Pd-catalyzed synthesis of diphenyl carbonate with heteropolyacid as a cocatalyst, 11
High dilution
Preparation, properties, and reactions of metal-containing heterocycles: Part CV. Synthesis and structure of polyoxadiphosphaplatinaferrocenophanes, 266
Homogeneous redox catalysis
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185
Hydroformylation
Chiral chelate phosphanes: XI. Application of cyclopentane-based C_2 chiral bis(phosphane) ligands $C_5H_8(PR_2)_2$ to Pt–Sn-catalyzed styrene hydroformylation, 221
Phosphines with 2-imidazolium and *para*-phenyl-2-imidazolium moieties — synthesis and application in two-phase catalysis, 177

2-Imidazolium phosphine
Phosphines with 2-imidazolium and *para*-phenyl-2-imidazolium moieties — synthesis and application in two-phase catalysis, 177

Imines
An explanation for the apparent *cis*-aziridine selectivity in the iron Lewis acid-catalyzed reaction of *N*-benzylidene aniline and ethyl diazoacetate, 78
Ionic liquids
Phosphines with 2-imidazolium and *para*-phenyl-2-imidazolium moieties — synthesis and application in two-phase catalysis, 177
Iron Lewis acid
An explanation for the apparent *cis*-aziridine selectivity in the iron Lewis acid-catalyzed reaction of *N*-benzylidene aniline and ethyl diazoacetate, 78

Ketone
Isolation of a diketone species that is allylically bound to tungsten, and its relationship to a tungsten η^2-ketone complex, 215
Khand reaction
Behaviour of monocomplexed 1,4-diynes in the Khand reaction and use of ethylene equivalent techniques in a convenient route to tritium-labelled methyl jasmonate, 118
The utility of vinyl ethers and vinyl esters in the Khand reaction. The value of vinyl esters as ethylene equivalents and a modified synthesis of (+)-taylorione as an example, 104

Lewis acid catalysis
Highly enantioselective Diels–Alder catalysis with a chiral ruthenium bisoxazoline complex, 17
Lithiation
Triformylferrocenes, novel modules for organometallic scaffolds, 132

Macrocyclization
Preparation, properties, and reactions of metal-containing heterocycles: Part CV. Synthesis and structure of polyoxadiphosphaplatinaferrocenophanes, 266
Manganese
Single and double nucleophilic addition to methylated podocarpic acid coordinated to manganese tricarbonyl, 84
Mefenamic acid
Synthesis, crystal structures and spectroscopic studies of diorganotin derivatives with mefenamic acid. Crystal and molecular structures of 1,2:3,4-di-μ_2-2-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-methyltin(IV)] and 1,2:3,4-di-μ_2-2-[(-[(-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-*n*-butyltin(IV)], 205
Mercury
[2-(*N*,*N*-Dimethylaminomethyl)ferrocenyl] as a ligand towards mercury, 149
Metallacyclophanes
Preparation, properties, and reactions of metal-containing heterocycles: Part CVI. Three-dimensional water-soluble platinacyclophanes, 244
Metallation
Phosphines with 2-imidazolium and *para*-phenyl-2-imidazolium moieties — synthesis and application in two-phase catalysis, 177
Methyl dehydrojasmonate
Behaviour of monocomplexed 1,4-diynes in the Khand reaction and use of ethylene equivalent techniques in a convenient route to tritium-labelled methyl jasmonate, 118
Methyl jasmonate
Behaviour of monocomplexed 1,4-diynes in the Khand reaction and use of ethylene equivalent techniques in a convenient route to tritium-labelled methyl jasmonate, 118
^{55}Mn-NMR
^{57}Fe-NMR spectroscopy revisited: ferrocene derivatives containing heterosubstituents, 263
Molecular modeling
Molecular modeling of the olefin metathesis by tungsten(0) carbene complexes, 157
Molybdenum
Monomeric, dimeric and polymeric [Cp_2MoH_2] complexes with Ag–S bonds, 169

Nickel
Isolation of a diketone species that is allylically bound to tungsten, and its relationship to a tungsten η^2-ketone complex, 215
Ni(0) complexes
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185
Niobium
Synthesis, characterization and reactivity of tetracyclopentadienylniobium(IV), a precursor to organometallic derivatives of niobium(IV), 275
Nitrosyl
Single and double nucleophilic addition to methylated podocarpic acid coordinated to manganese tricarbonyl, 84
1-[2-(*N*,*N*-dimethylaminomethyl)ferrocenyl] ligand
[2-(*N*,*N*-Dimethylaminomethyl)ferrocenyl] as a ligand towards mercury, 149
^{15}N-NMR spectroscopy
Phosphines with 2-imidazolium and *para*-phenyl-2-imidazolium moieties — synthesis and application in two-phase catalysis, 177
Nortaylorione
The utility of vinyl ethers and vinyl esters in the Khand reaction. The value of vinyl esters as ethylene equivalents and a modified synthesis of (+)-taylorione as an example, 104
Nucleophilic addition
Single and double nucleophilic addition to methylated podocarpic acid coordinated to manganese tricarbonyl, 84
Nucleophilic attack
Reactivity of acyclic (pentadienyl)iron(1+) cations with weak carbon nucleophiles, 5

Olefin metathesis
Molecular modeling of the olefin metathesis by tungsten(0) carbene complexes, 157
Open transition state model
Rhodium-catalyzed cyclopropanations of allylsilanes and allylstannanes: the role of the silyl/stannyl group in *trans–cis* stereoselection, 57
Organic halides
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185
σ-Organonickel complexes
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185
Oxidative carbonylation
A new efficient Pd-catalyzed synthesis of diphenyl carbonate with heteropolyacid as a cocatalyst, 11
oxides
New heterometallic copper zinc alkoxides: synthesis, structure properties and pyrolysis to Cu/ZnO composites, 253

para-Phenyl-2-imidazolium phosphine
Phosphines with 2-imidazolium and *para*-phenyl-2-imidazolium moieties — synthesis and application in two-phase catalysis, 177

Phenol
A new efficient Pd-catalyzed synthesis of diphenyl carbonate with heteropolyacid as a cocatalyst, 11
Phosphinidene complexes
Triphosphane formation from the terminal zirconium phosphinidene complex [Cp_2Zr=PDmp(PMe_3)] (Dmp = 2,6-$Mes_2C_6H_3$) and crystal structure of DmpP(PPh_2)$_2$, 193
Phosphorus
Triphosphane formation from the terminal zirconium phosphinidene complex [Cp_2Zr=PDmp(PMe_3)] (Dmp = 2,6-$Mes_2C_6H_3$) and crystal structure of DmpP(PPh_2)$_2$, 193
Platinum
Chiral chelate phosphanes: XI. Application of cyclopentane-based C_2 chiral bis(phosphane) ligands $C_5H_8(PR_2)_2$ to Pt–Sn-catalyzed styrene hydroformylation, 221
Preparation, properties, and reactions of metal-containing heterocycles: Part CVI. Three-dimensional water-soluble platinacyclophanes, 244
Platinum complexes
Preparation, properties, and reactions of metal-containing heterocycles: Part CV. Synthesis and structure of polyoxadiphosphaplatinaferrocenophanes, 266
P ligands
Preparation, properties, and reactions of metal-containing heterocycles: Part CVI. Three-dimensional water-soluble platinacyclophanes, 244
P ligands
Chiral chelate phosphanes: XI. Application of cyclopentane-based C_2 chiral bis(phosphane) ligands $C_5H_8(PR_2)_2$ to Pt–Sn-catalyzed styrene hydroformylation, 221
Podocarpic acid
Single and double nucleophilic addition to methylated podocarpic acid coordinated to manganese tricarbonyl, 84
Polyoxaplatinaferrocenophanes
Preparation, properties, and reactions of metal-containing heterocycles: Part CV. Synthesis and structure of polyoxadiphosphaplatinaferrocenophanes, 266
η^1-Propargyl
Reactions of Rh($SbPh_3$)$_3$(CO)X (X = Cl, Br) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes, 44
Protecting groups
Triformylferrocenes, novel modules for organometallic scaffolds, 132
pyrolysis
New heterometallic copper zinc alkoxides: synthesis, structure properties and pyrolysis to Cu/ZnO composites, 253

Regioselective
Regio- and stereoselectivity in long-range asymmetric induction controlled by carbonyliron groups: crystal structures of dicarbonyl-L-[(1,2,3,4,5-η)-1-R-4-methoxycyclohexadienyl]-iron(1 +) hexafluorophosphate(1 −) [(R = isopropenyl, L = CO), (R = 1-styryl, L = CO), (R = 1-prop-1-enyl, L = PPh_3)] and tricarbonyl[methyl(2,3,4,5-η)-2-carbomethoxy-2-(4-methoxy-1-(1′-methylethenyl)cyclohexadien-1-yl)-ethanoate]iron(0), 88
Rhodiacyclopent-3-ene-2-one
Reactions of Rh($SbPh_3$)$_3$(CO)X (X = Cl, Br) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes, 44
Rhodium carbenoids
Rhodium-catalyzed cyclopropanations of allylsilanes and allylstannanes: the role of the silyl/stannyl group in *trans–cis* tereoselection, 57
Rhodium complexes
Reactions of Rh($SbPh_3$)$_3$(CO)X (X = Cl, Br) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes, 44

Salens
Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis, 67
Silver
Monomeric, dimeric and polymeric [Cp_2MoH_2] complexes with Ag–S bonds, 169
Spectroscopic studies
Synthesis, crystal structures and spectroscopic studies of diorganotin derivatives with mefenamic acid. Crystal and molecular structures of 1,2:3,4-di-μ_2-2-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-methyltin(IV)] and 1,2:3,4-di-μ_2-2-[(-[(-[(2,3-dimethylphenyl)-amino]-benzoato-*O*,*O*-1,3-bis-2-[(-[(-[(2,3-dimethylphenyl)-amino]benzoato-*O*-1,2,4:2,3,4-di-μ_3-oxo-tetrakis[di-*n*-butyltin(IV)], 205
Stereoselective
Regio- and stereoselectivity in long-range asymmetric induction controlled by carbonyliron groups: crystal structures of dicarbonyl-L-[(1,2,3,4,5-η)-1-R-4-methoxycyclohexadienyl]-iron(1 +) hexafluorophosphate(1 −) [(R = isopropenyl, L = CO), (R = 1-styryl, L = CO), (R = 1-prop-1-enyl, L = PPh_3)] and tricarbonyl[methyl(2,3,4,5-η)-2-carbomethoxy-2-(4-methoxy-1-(1′-methylethenyl)cyclohexadien-1-yl)-ethanoate]iron(0), 88
Stereospecific annulation reactions
Cationic cyclizations of (diene)iron tricarbonyl complexes with pendant alkenes and arenes, 23
Structure
Synthesis and structure of the chromiumcarbonyl complexed phenyl allene, 198
Structures
Synthesis, characterization and reactivity of tetracyclopentadienylniobium(IV), a precursor to organometallic derivatives of niobium(IV), 275
Substituted tetralins
Cationic cyclizations of (diene)iron tricarbonyl complexes with pendant alkenes and arenes, 23
Supramolecular chemistry
Preparation, properties, and reactions of metal-containing heterocycles: Part CVI. Three-dimensional water-soluble platinacyclophanes, 244
Synergistic effect
A new efficient Pd-catalyzed synthesis of diphenyl carbonate with heteropolyacid as a cocatalyst, 11

Tautomerism
Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis, 67
Taylorione
The utility of vinyl ethers and vinyl esters in the Khand reaction. The value of vinyl esters as ethylene equivalents and a modified synthesis of (+)-taylorione as an example, 104
Thio ligands
Monomeric, dimeric and polymeric [Cp_2MoH_2] complexes with Ag–S bonds, 169
Tricarbonyliron
Regio- and stereoselectivity in long-range asymmetric induction controlled by carbonyliron groups: crystal structures of dicarbonyl-L-[(1,2,3,4,5-η)-1-R-4-methoxycyclohexadienyl]-

iron(1 +) hexafluorophosphate(1 −) [(R = isopropenyl, L = CO), (R = 1-styryl, L = CO), (R = 1-prop-1-enyl, L = PPh_3)] and tricarbonyl[methyl(2,3,4,5-η)-2-carbomethoxy-2-(4-methoxy-1-(1′-methylethenyl)cyclohexadien-1-yl)-ethanoate]iron(0), 88

Triphosphane
Triphosphane formation from the terminal zirconium phosphinidene complex [Cp_2Zr=PDmp(PMe_3)] (Dmp = 2,6-$Mes_2C_6H_3$) and crystal structure of DmpP(PPh_2)$_2$, 193

Tritium
Behaviour of monocomplexed 1,4-diynes in the Khand reaction and use of ethylene equivalent techniques in a convenient route to tritium-labelled methyl jasmonate, 118

Tungsten
Isolation of a diketone species that is allylically bound to tungsten, and its relationship to a tungsten η^2-ketone complex, 215
Molecular modeling of the olefin metathesis by tungsten(0) carbene complexes, 157

Tungsten(0) complexes
Molecular modeling of the olefin metathesis by tungsten(0) carbene complexes, 157

Vinyl esters
Behaviour of monocomplexed 1,4-diynes in the Khand reaction and use of ethylene equivalent techniques in a convenient route to tritium-labelled methyl jasmonate, 118
The utility of vinyl ethers and vinyl esters in the Khand reaction. The value of vinyl esters as ethylene equivalents and a modified synthesis of (+)-taylorione as an example, 104

Vinyl ethers
The utility of vinyl ethers and vinyl esters in the Khand reaction. The value of vinyl esters as ethylene equivalents and a modified synthesis of (+)-taylorione as an example, 104

Water-soluble complexes
Preparation, properties, and reactions of metal-containing heterocycles: Part CVI. Three-dimensional water-soluble platinacyclophanes, 244

White phosphorus
Highly reactive σ-organonickel complexes in electrocatalytic processes, 185

X-ray structure
Reactions of $Rh(SbPh_3)_3(CO)X$ (X = Cl, Br) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes, 44
Single and double nucleophilic addition to methylated podocarpic acid coordinated to manganese tricarbonyl, 84

X-Ray structure analysis
Chiral chelate phosphanes: XI. Application of cyclopentane-based C_2 chiral bis(phosphane) ligands $C_5H_8(PR_2)_2$ to Pt–Sn-catalyzed styrene hydroformylation, 221

zinc
New heterometallic copper zinc alkoxides: synthesis, structure properties and pyrolysis to Cu/ZnO composites, 253